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I. CLAIMS

Please amend the claims as follows:

1. - 36. Cancelled

37. (New) A method, comprising:

storing in a directory:

collaborative information:

a plurality of common message data models, each of the common message data

models for use in forming annotated messages comprising links and metadata extracted

from the collaborative information; and

a plurality of common primitive message exchange sequences, each common

primitive message exchange sequence comprising a combination of at least two common

message data models, each common primitive message exchange sequence for use in an

exchange of a sequence of annotated messages, the plurality of common primitive

message exchange sequences comprising a first common primitive message exchange

sequence comprising a first and a second common message data model;

initiating, via a computer system configured for on-demand business collaboration, the

first common primitive message exchange sequence by forming and sending a first annotated

message based on the first common message data model, the first annotated message comprising

links and metadata extracted from the collaborative information stored in the directory; and

receiving, in response to the first annotated message, a second annotated message based

on the second common message data model.

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38. (New) The method of claim 37, where the first common primitive message exchange

sequence comprises a request for design common primitive message exchange sequence, and

further comprising:

receiving a third annotated message based on a third common message data model, where

the first common primitive message exchange sequence further comprises the third common

message data model combined with the first and second common message data models;

where the first common message data model comprises a design request common

message data model, and the first annotated message comprises a request for design input;

where the second common message data model comprises an acknowledgement

common message data model, and the second annotated message comprises an

acknowledgement of receipt of the first annotated message; and

where the third common message data model comprises a design acceptance common

message data model, and the third annotated message comprises a notice that a recipient of the

first annotated message has accepted the request for design input.

39. (New) The method of claim 38, where the first common message data model comprises:

a transaction resource including a link to a sender of the first annotated message, and a

link to the recipient of the first annotated message;

a task resource including a link to a task file stored in the directory, and including

metadata regarding the task file;

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a project resource including a link to a project file stored in the directory, and including

metadata regarding the project file; and

a requirements resource including a link to first and second containers, the first container

including metadata and a plurality of links to files of a first type stored in the directory, and the

second container including metadata and a plurality of links to files of a second type stored in the

directory.

40. (New) The method of claim 39 where the first annotated message comprises;

an access control policy, the access control policy requiring proper identity and

authorization for the recipient of the first annotated message to access the first annotated

message; and

status information to enable tracking of a collaborative process.

41. (New) The method of claim 37, where the plurality of common primitive message exchange

sequences further comprises a second common primitive message exchange sequence

comprising a third and a fourth common message data model, further comprising:

storing, in the directory, a plurality of common construct message exchange sequences,

each common construct message exchange sequence comprising a combination of at least two

common primitive message exchange sequences, each common construct message exchange

sequence for use in an exchange of sequences of common primitive message exchange

sequences, the plurality of common construct message exchange sequences comprising a first

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common construct message exchange sequence comprising the first and the second common

primitive message exchange sequences; and

completing the first common construct message exchange sequence by exchanging a

third and a fourth annotated message, the third annotated message being based on the third

common message data model, and the fourth annotated message being based on the fourth

common message data model.

42. (New) The method of claim 41, where:

the first common construct message exchange sequence comprises a request for design

common construct message exchange sequence;

the first common primitive message exchange sequence comprises a request for design

input; and

the second common primitive message exchange sequence comprises a submission of a

design.

43. (New) The method of claim 41, where:

the first common construct message exchange sequence comprises a request for update

common construct message exchange sequence;

the first common primitive message exchange sequence comprises a request for update

input; and

the second common primitive message exchange sequence comprises an update

submission.

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44. (New) The method of claim 41, where:

the first common construct message exchange sequence comprises a request for

information common construct message exchange sequence;

the first common primitive message exchange sequence comprises a request for

information input; and

the second common primitive message exchange sequence comprises an information

submission.

45. (New) The method of claim 41, where the first common message data model comprises:

a transaction resource including a link to a sender of the first annotated message, and a

link to a recipient of the first annotated message;

a task resource including a link to a task file stored in the directory, and including

metadata regarding the task file;

a project resource including a link to a project file stored in the directory, and including

metadata regarding the project file; and

a requirements resource including a link to first and second containers, the first container

including metadata and a plurality of links to files of a first type stored in the directory, and the

second container including metadata and a plurality of links to files of a second type stored in the

directory.

46. (New) The method of claim 45, where the first annotated message comprises:

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an access control policy, the access control policy requiring proper identity and

authorization for the recipient of the first annotated message to access the first annotated

message; and

status information to enable tracking of a collaborative process.

47. (New) The method of claim 37, where the first common message data model comprises:

a transaction resource including a link to a sender of the first annotated message, and a

link to a recipient of the first annotated message;

a task resource including a link to a task file stored in the directory, and including

metadata regarding the task file;

a project resource including a link to a project file stored in the directory, and including

metadata regarding the project file; and

a requirements resource including a link to first and second containers, the first container

including metadata and a plurality of links to files of a first type stored in the directory, and the

second container including metadata and a plurality of links to files of a second type stored in the

directory.

48. (New) The method of claim 47, where the first annotated message comprises:

an access control policy, the access control policy requiring proper identity and

authorization for the recipient of the first annotated message to access the first annotated

message; and

status information to enable tracking of a collaborative process.

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49. (New) A computer program product comprising a computer readable storage medium

including a computer readable program, where the computer readable program when executed on

a computer causes the computer to:

store in a directory:

collaborative information:

a plurality of common message data models, each of the common message data

models for use in forming annotated messages comprising links and metadata extracted

from the collaborative information; and

a plurality of common primitive message exchange sequences, each common

primitive message exchange sequence comprising a combination of at least two common

message data models, each common primitive message exchange sequence for use in an

exchange of a sequence of annotated messages, the plurality of common primitive

message exchange sequences comprising a first common primitive message exchange

sequence comprising a first and a second common message data model;

initiate the first common primitive message exchange sequence by forming and sending a

first annotated message based on the first common message data model, the first annotated

message comprising links and metadata extracted from the collaborative information stored in

the directory; and

receive, in response to the first annotated message, a second annotated message based on

the second common message data model.

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50. (New) The computer program product of claim 49, where the first common primitive

message exchange sequence comprises a request for design common primitive message

exchange sequence, and where the computer readable program when executed on the computer

further causes the computer to:

receive a third annotated message based on a third common message data model, where

the first common primitive message exchange sequence further comprises the third common

message data model combined with the first and second common message data models;

where the first common message data model comprises a design request common

message data model, and the first annotated message comprises a request for design input;

where the second common message data model comprises an acknowledgement common

message data model, and the second annotated message comprises an acknowledgement of

receipt of the first annotated message; and

where the third common message data model comprises a design acceptance common

message data model, and the third annotated message comprises a notice that a recipient of the

first annotated message has accepted the request for design input.

51. (New) The computer program product of claim 50, where the first common message data

model comprises:

a transaction resource including a link to a sender of the first annotated message, and a

link to the recipient of the first annotated message;

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a task resource including a link to a task file stored in the directory, and including

metadata regarding the task file;

a project resource including a link to a project file stored in the directory, and including

metadata regarding the project file; and

a requirements resource including a link to first and second containers, the first container

including metadata and a plurality of links to files of a first type stored in the directory, and the

second container including metadata and a plurality of links to files of a second type stored in the

directory.

52. (New) The computer program product of claim 51, where the first annotated message

comprises:

an access control policy, the access control policy requiring proper identity and

authorization for the recipient of the first annotated message to access the first annotated

message; and

status information to enable tracking of a collaborative process,

53. (New) The computer program product of claim 49, where the plurality of common primitive

message exchange sequences further comprises a second common primitive message exchange

sequence comprising a third and a fourth common message data model, and where the computer

readable program when executed on the computer further causes the computer to:

store, in the directory, a plurality of common construct message exchange sequences,

each common construct message exchange sequence comprising a combination of at least two

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common primitive message exchange sequences, each common construct message exchange

sequence for use in an exchange of sequences of common primitive message exchange

sequences, the plurality of common construct message exchange sequences comprising a first

common construct message exchange sequence comprising the first and the second common

primitive message exchange sequences; and

complete the first common construct message exchange sequence by exchanging a third

and a fourth annotated message, the third annotated message being based on the third common

message data model, and the fourth annotated message being based on the fourth common

message data model.

54. (New) The computer program product of claim 53, where:

the first common construct message exchange sequence comprises a request for design

common construct message exchange sequence;

the first common primitive message exchange sequence comprises a request for design

input; and

the second common primitive message exchange sequence comprises a submission of a

design.

55. (New) The computer program product of claim 53, where:

the first common construct message exchange sequence comprises a request for update

common construct message exchange sequence;

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the first common primitive message exchange sequence comprises a request for update

input; and

the second common primitive message exchange sequence comprises an update

submission.

56. (New) The computer program product of claim 53, where:

the first common construct message exchange sequence comprises a request for

information common construct message exchange sequence;

the first common primitive message exchange sequence comprises a request for

information input; and

the second common primitive message exchange sequence comprises an information

submission.

57. (New) The computer program product of claim 53, where the first common message data

model comprises:

a transaction resource including a link to a sender of the first annotated message, and a

link to a recipient of the first annotated message;

a task resource including a link to a task file stored in the directory, and including

metadata regarding the task file;

a project resource including a link to a project file stored in the directory, and including

metadata regarding the project file; and

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a requirements resource including a link to first and second containers, the first container

including metadata and a plurality of links to files of a first type stored in the directory, and the

second container including metadata and a plurality of links to files of a second type stored in the

directory.

58. (New) The computer program product of claim 57, where the first annotated message

comprises:

an access control policy, the access control policy requiring proper identity and

authorization for the recipient of the first annotated message to access the first annotated

message; and

status information to enable tracking of a collaborative process.

59. (New) The computer program product of claim 49, where the first common message data

model comprises:

a transaction resource including a link to a sender of the first annotated message, and a

link to a recipient of the first annotated message;

a task resource including a link to a task file stored in the directory, and including

metadata regarding the task file;

a project resource including a link to a project file stored in the directory, and including

metadata regarding the project file; and

a requirements resource including a link to first and second containers, the first container

including metadata and a plurality of links to files of a first type stored in the directory, and the

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second container including metadata and a plurality of links to files of a second type stored in the

directory.

60. (New) The computer program product of claim 59, where the first annotated message

comprises:

an access control policy, the access control policy requiring proper identity and

authorization for the recipient of the first annotated message to access the first annotated

message; and

status information to enable tracking of a collaborative process.

61. (New) A system, comprising:

a memory; and

a processor programmed to:

store in a directory within the memory:

collaborative information;

a plurality of common message data models, each of the common message

data models for use in forming annotated messages comprising links and metadata

extracted from the collaborative information; and

a plurality of common primitive message exchange sequences, each

common primitive message exchange sequence comprising a combination of at

least two common message data models, each common primitive message

exchange sequence for use in an exchange of a sequence of annotated messages,

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the plurality of common primitive message exchange sequences comprising a first

common primitive message exchange sequence comprising a first and a second

common message data model;

initiate the first common primitive message exchange sequence by forming and

sending a first annotated message based on the first common message data model, the

first annotated message comprising links and metadata extracted from the collaborative

information stored in the directory; and

receive, in response to the first annotated message, a second annotated message

based on the second common message data model.

62. (New) The system of claim 61, where the first common primitive message exchange

sequence comprises a request for design common primitive message exchange sequence, and

where the processor is further programmed to:

receive a third annotated message based on a third common message data model, where

the first common primitive message exchange sequence further comprises the third common

message data model combined with the first and second common message data models;

where the first common message data model comprises a design request common

message data model, and the first annotated message comprises a request for design input;

where the second common message data model comprises an acknowledgement

common message data model, and the second annotated message comprises an

acknowledgement of receipt of the first annotated message; and

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where the third common message data model comprises a design acceptance common

message data model, and the third annotated message comprises a notice that a recipient of the

first annotated message has accepted the request for design input.

63. (New) The system of claim 62, where the first common message data model comprises:

a transaction resource including a link to a sender of the first annotated message, and a

link to a recipient of the first annotated message;

a task resource including a link to a task file stored in the directory, and including

metadata regarding the task file;

a project resource including a link to a project file stored in the directory, and including

metadata regarding the project file; and

a requirements resource including a link to first and second containers, the first container

including metadata and a plurality of links to files of a first type stored in the directory, and the

second container including metadata and a plurality of links to files of a second type stored in the

directory.

64. (New) The system of claim 63, where the first annotated message comprises:

an access control policy, the access control policy requiring proper identity and

authorization for the recipient of the first annotated message to access the first annotated

message: and

status information to enable tracking of a collaborative process.

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65. (New) The system of claim 61, where the plurality of common primitive message exchange

sequences further comprises a second common primitive message exchange sequence

comprising a third and a fourth common message data model, and where the processor is further

programmed to:

store, in the directory, a plurality of common construct message exchange sequences,

each common construct message exchange sequence comprising a combination of at least two

common primitive message exchange sequences, each common construct message exchange

sequence for use in an exchange of sequences of common primitive message exchange

sequences, the plurality of common construct message exchange sequences comprising a first

common construct message exchange sequence comprising the first and the second common

primitive message exchange sequences; and

complete the first common construct message exchange sequence by exchanging a third

and a fourth annotated message, the third annotated message being based on the third common

message data model, and the fourth annotated message being based on the fourth common

message data model.

66. (New) The system of claim 65, where:

the first common construct message exchange sequence comprises a request for design

construct message exchange sequence;

the first common primitive message exchange sequence comprises a request for design

input: and

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the second common primitive message exchange sequence comprises a submission of a

design.

67. (New) The system of claim 65, where:

the first common construct message exchange sequence comprises a request for update

common construct message exchange sequence;

the first common primitive message exchange sequence comprises a request for update

input; and

the second common primitive message exchange sequence comprises an update

submission.

68. (New) The system of claim 65, where:

the first common construct message exchange sequence comprises a request for

information common construct message exchange sequence;

the first common primitive message exchange sequence comprises a request for

information input; and

the second common primitive message exchange sequence comprises an information

submission.

69. (New) The system of claim 65, where the first common message data model comprises:

a transaction resource including a link to a sender of the first annotated message, and a

link to a recipient of the annotated first message;

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a task resource including a link to a task file stored in the directory, and including

metadata regarding the task file;

a project resource including a link to a project file stored in the directory, and including

metadata regarding the project file; and

a requirements resource including a link to first and second containers, the first container

including metadata and a plurality of links to files of a first type stored in the directory, and the

second container including metadata and a plurality of links to files of a second type stored in the

directory.

70. (New) The system of claim 69, where the first annotated message comprises:

an access control policy, the access control policy requiring proper identity and

authorization for the recipient of the first annotated message to access the first annotated

message: and

status information to enable tracking of a collaborative process.

71. (New) The system of claim 61, where the first common message data model comprises:

a transaction resource including a link to a sender of the first annotated message, and a

link to a recipient of the first annotated message;

a task resource including a link to a task file stored in the directory, and including

metadata regarding the task file:

a project resource including a link to a project file stored in the directory, and including

metadata regarding the project file; and

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a requirements resource including a link to first and second containers, the first container

including metadata and a plurality of links to files of a first type stored in the directory, and the

second container including metadata and a plurality of links to files of a second type stored in the

directory.

72. (New) The system of claim 71, where the first annotated message comprises:

an access control policy, the access control policy requiring proper identity and

authorization for the recipient of the first annotated message to access the first annotated

message; and

status information to enable tracking of a collaborative process.